

0083

**Canyon Fuel Company, LLC**  
**Dugout Canyon Mine**  
P.O. Box 1029  
Wellington, Utah 84542



*Incoming*  
*C/007/0039*

September 15, 2006

Ms. Pamela Grubaugh-Littig  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

RE: Clean Copies of UC-6 Inlet As-Built – Task ID# 2465, Dugout Canyon Mine, Canyon Fuel Company, LLC, C/007/039, Carbon County, Utah

Dear Ms. Grubaugh-Littig:

Attached please find five clean copies of an as-built drawing and description of the inlet to culvert UC-6. This information should be included at the back of Appendix 7-9, found in the M&RP binders.

Thank you for your assistance and if you have any questions, please call me at (435) 636-2869.

Sincerely yours,

Vicky S. Miller

cc: Dave Spillman

**RECEIVED**

**SEP 18 2006**

**DIV. OF OIL, GAS & MINING**

# APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

**Permittee:** Canyon Fuel Company, LLC

**Mine:** Dugout Canyon Mine

**Permit Number:** C/007/039

**Title:** Clean Copies of UC-6 Inlet As-Built, Task ID #2465

**Description:** Include reason for application and timing required to implement:

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- ☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_ ☐ increase ☐ decrease.
- ☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- ☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- ☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
- ☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- ☐ Yes ☒ No 6. Does the application require or include public notice publication?
- ☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- ☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- ☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- ☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?  
*Explain:* \_\_\_\_\_
- ☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
- ☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- ☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
- ☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- ☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
- ☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- ☐ Yes ☒ No 17. Does the application require or include construction, modification, or removal of surface facilities?
- ☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- ☐ Yes ☒ No 19. Does the application require or include certified designs, maps or calculation?
- ☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
- ☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
- ☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- ☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

**Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you.** (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

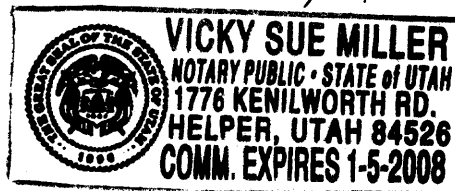
David Spillman  
Print Name

David Spillman, Engineering Manager  
Sign Name, Position, Date 9/15/06

Subscribed and sworn to before me this 15 day of September, 2006

Vicky Sue Miller  
Notary Public

My commission Expires: 1-5, 2008  
Attest: State of UTAH } ss:  
County of CARBON



**For Office Use Only:**

Assigned Tracking  
Number:

Received by Oil, Gas & Mining

**APPLICATION FOR COAL PERMIT PROCESSING**  
**Detailed Schedule Of Changes to the Mining And Reclamation Plan**

**Permittee:** Canyon Fuel Company, LLC

**Mine:** Dugout Canyon Mine

Permit Number: C/007/039

**Title:** Clean Copies of UC-6 Inlet As-Built, Task ID # 2465

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

### DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED

[illegible]

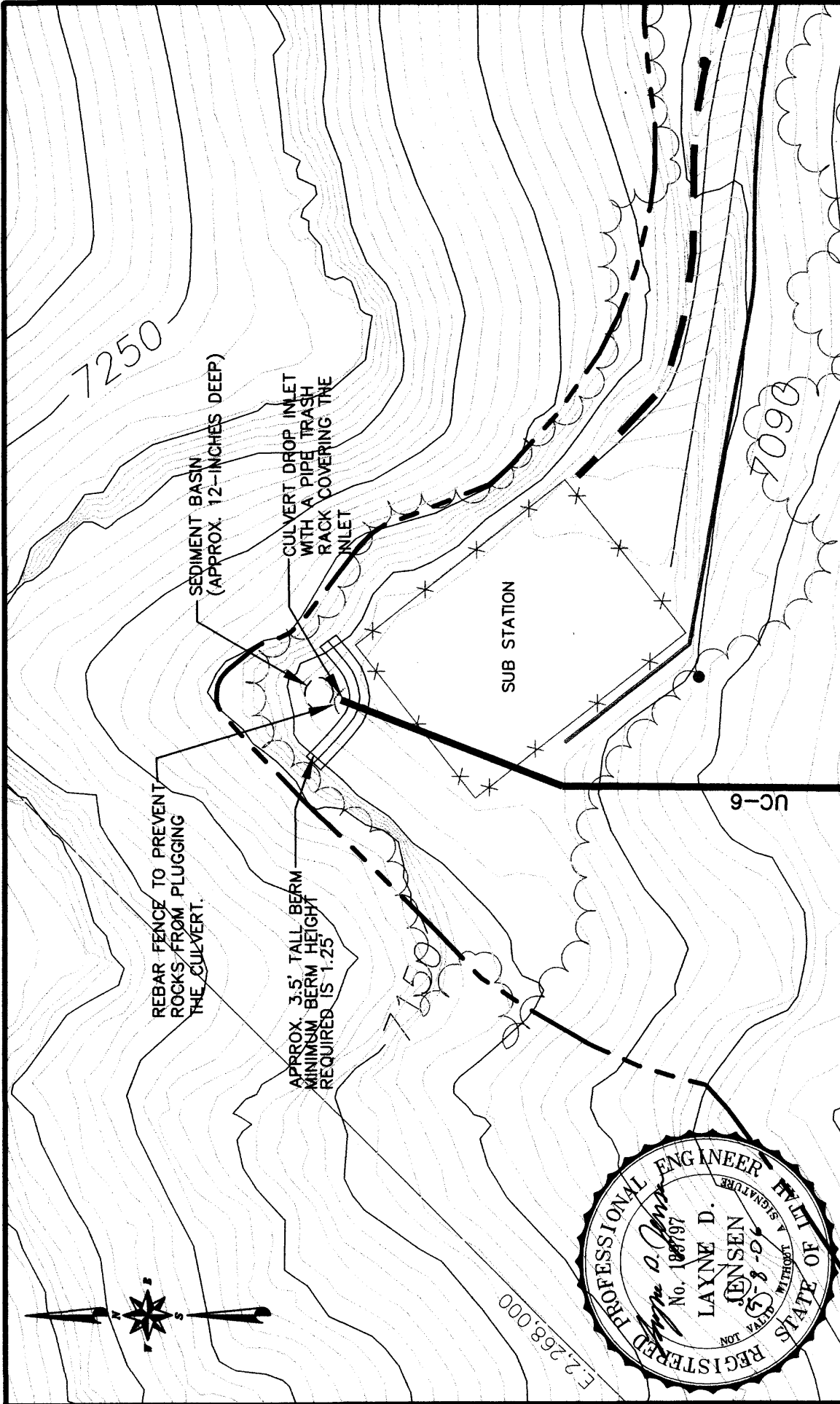
**Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.**

9/15/06

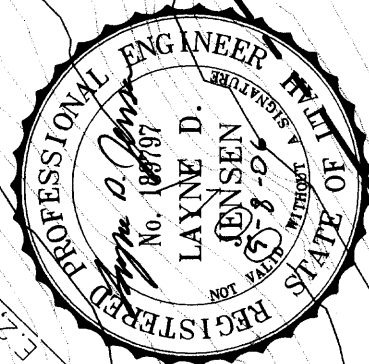
Received by Oil, Gas &amp; Mining

**APPENDIX 7-9  
ATTACHMENT D**

UC-1 INLET AS-BUILT

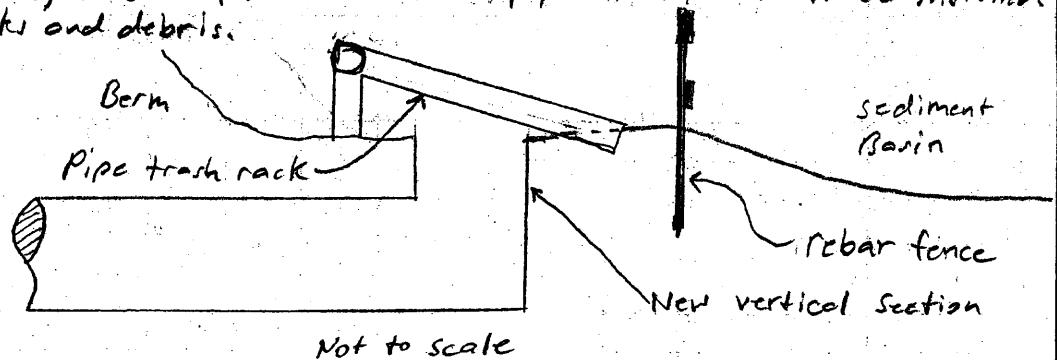


NOTE: THIS CULVERT WILL BE REFERRED TO AS UC-1 WHEN AS-BUILT HYDROLOGY CALCS FOR THE MINE ARE SUBMITTED.



UC-6 Inlet (see note below)

The inlet to UC-6 has been modified to prevent plugging by rocks and debris. To create space a vertical section of CMP was added to the shortened culvert. The additional space allowed for a small sediment basin, rebar fence and a pipe trash rack to be installed to stop rocks and debris.



According to Appendix 7-9 the peak flow from the 10-year 24-hour storm is 1.02 cfs.

The headwater developed from this peak flow is determined from the following equation

$$Q = CLH^{3/2}$$

$Q$  = flow (cfs)

$C$  = Weir coefficient (Assume 3.0)

$H$  = Headwater (ft)

$L$  = Weir length (CMP circumference) =  $\pi(1.5) = 4.71'$

$$H = (Q/CL)^{2/3}$$

$$H = [1.02 / (3.0 \times 4.71)]^{2/3} = 0.17 \text{ ft} = 2.1 \text{ inches}$$

To provide at least 1 foot of freeboard the berm around the inlet should be at least 14.1 inches high or 15"

Note: When As-built hydrology calculations are submitted for the entire mine facility this culvert will be referred to as UC-1.